# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 1 | "20040089898" | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:19 |
| S2 | 1 | "20030178627" | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:20 |
| S3 | 1 | "4935665".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:25 |
| S4 | 1 | "2001085748" | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:18 |
| S5 | 2 | "06140673" | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:15 |
| S6 | 2460 | 257/676.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 14:50 |
| S7 | 28 | S6 and (expansion joint) | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:30 |

9/17/2006 3:33:11 PM

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C:\Documents and Settings\jingham\My Documents\EAST\Workspaces\packages\10 529718 led metal carrier with expansion joints.wsp

| S8 | 154 | ("20010038144" \| "20020016023" \| "20020048843" \| "20020050654" \| "20020052063" \| "20030029633" \| "20030106709" \| "20030109083" \| "3672046" \| "4285780" \| "4769344" \| "4777520" \| "4855807" \| "4866506" \| "4882212" \| "4887149" \| "5107328" \| "5128831" \| "5138434" \| "5147821" \| "5191174" \| "5195023" \| "5197183" \| "5208467" \| "5266748" \| "5296738" \| "5309026" \| "5314842" \| "5363280" \| "5365655" \| "5474958" \| "5527743" \| "5578261" \| "5593927" \| "5596231" \| "5606204" \| "5609889" \| "5612576" \| "5635220" \| "5665281" \| "5665296" \| "5677566" \| "5696033" \| "5710071" \| "5721450" \| "5728600" \| "5739585" \| "5750423" \| "5766649" \| "5767446" \| "5773322" \| "5793613" \| "5796159" \| "5815000" \| "5842275" \| "5851845" \| "5866953" \| "5891753" \| "5893726" \| "5898224" \| "5917234" \| "5920768" \| "5928595" \| "5933713" \| "5938956" \| "5945130" \| "5946553" \| "5958100" \| "5964030" \| "5986209" \| "5989941" \| "5990566" \| "5994784" \| "5998243" \| "6000924" \| "6008070" \| "6013946" \| "6020629" \| "6025728" \| "6028365" \| "6046496" \| "6048744" \| "6048755" \| "6049125" \| "6054755" \| "6066514" \| "6071758" \| "6072236" \| "6075288" \| "6089920" \| "6094058" \| "6097087" \| "6100598" \| "6103547" \| "6107122" \| "6107680" \| "6114189" \| "6117382" \| "6124634" \| "6126428" \| "6143581" \| "6150717" \| "6159764" \| "6168970" \| "6172419" \| "6175159" \| "6184465" \| "6191472" \| "6198172" \| "6208519" \| "6210992" \| "6215175" \| "6228548" \| "6228687" \| "6229202" \| "6235994" \| "6242802" \| "6246108" \| "6252298" \| "6258623" \| "6258624" \| "6259153").PN. OR ("6262480" \| "6277671" \| "6284571" \| "6288444" \| "6291894" \| "6291895" \| "6294839" \| "6300165" \| "6303981" \| "6303985" \| "6309916" \| "6310390" \| "6314639" \| "6316285" \| "6326242" \| "6326244" \| "6326687" \| "6326697" \| "6326698" \| "6329220" \| "6329603" \| "6331221" \| "6331453" \| "6332766" | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/09/15 13:31 |

# EAST Search History

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|---|---|---|---|---|---|---|
| S9 | 17 | kromotis patrick.in. | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:42 |
| S10 | 41 | waitl gunter.in. | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:46 |
| S11 | 2523 | 257/99.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:46 |
| S12 | 23486 | expansion with joint | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:51 |
| S13 | 1051 | S12 and ("257"/$.ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:51 |
| S14 | 978 | S13 and @ad<"20050330" | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:52 |
| S15 | 9820 | "expansion joint" | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:51 |
| S16 | 48 | S15 and ("257"/$.ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 13:51 |
| S20 | 169 | led carrier frame plastic | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/15 14:36 |
| S25 | 161 | (multi adj chip) and LED and ("lead frame" or leadframe) | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 13:22 |
| S29 | 158 | (multi adj chip) with LED | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 13:34 |
| S34 | 159 | led frame four (expansion or expand) | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/09/16 13:56 |

# EAST Search History

| S43 | 214 | led plurality frame expansion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2006/09/16 14:11 |
|---|---|---|---|---|---|---|
| S44 | 9820 | "expansion joint" | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 14:12 |
| S45 | 48 | S44 and ("257"/$.ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 14:12 |
| S51 | 1114 | "led module" | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 14:50 |
| S52 | 396 | S51 and (expansion or expand or stress or thermal) | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 15:09 |
| S57 | 170 | S52 and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 15:09 |
| S58 | 11698 | "led array" | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 15:09 |
| S61 | 3603 | S58 and (expansion or expand or stress or thermal) | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 15:10 |
| S62 | 13 | S61 and (saw or singulat$3) and (leadframe or "lead frame") | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 15:11 |
| S64 | 1 | ("2003/0178627").URPN. | USPAT | SAME | ON | 2006/09/16 15:23 |
| S65 | 23 | ("20030116769" \| "20030178627" \| "20040000727" \| "20040061433" \| "4127792" \| "4165474" \| "4225380" \| "4241281" \| "4280273" \| "4575765" \| "4729076" \| "4845405" \| "5404282" \| "5621225" \| "5780321" \| "5857767" \| "6291274" \| "6428189" \| "6480389" \| "6517218" \| "6617613" \| "6650048" \| "6713956").PN. | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/09/16 15:23 |

| S66 | 14 | ("4729076" \| "4935665" \| "5119174" \| "5857767").PN. OR ("6480389"). URPN. | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/09/16 15:26 |
| S67 | 992 | 361/707.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 15:42 |
| S68 | 55 | S67 and LED | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 15:54 |
| S69 | 1 | jp "2001085748" | US-PGPUB; USPAT; USOCR; EPO; JPO | SAME | ON | 2006/09/16 15:55 |